IFW16

```
RAW SEQUENCE LISTING                    DATE: 08/17/2004
PATENT APPLICATION:  US/09/833,245A     TIME: 08:51:53

Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw
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 4 <110> APPLICANT: Human Genome Sciences, Inc.
 6 <120> TITLE OF INVENTION: Albumin Fusion Proteins
 8 <130> FILE REFERENCE: PF546
10 <140> CURRENT APPLICATION NUMBER: 09/833,245A
11 <141> CURRENT FILING DATE: 2001-04-12
13 <160> NUMBER OF SEQ ID NOS: 2277
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 23
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <221> NAME/KEY: primer_bind
24 <223> OTHER INFORMATION: primer useful to clone human growth hormone cDNA
26 <400> SEQUENCE: 1
27 cccaagaatt cccttatcca ggc                                    23
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 33
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <221> NAME/KEY: primer_bind
37 <223> OTHER INFORMATION: primer useful to clone human growth hormone cDNA
39 <400> SEQUENCE: 2
40 gggaagctta gaagccacag gatccctcca cag                         33
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 16
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <221> NAME/KEY: misc_structure
50 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
51       with non-cohesive ends.
53 <400> SEQUENCE: 3
54 gataaagatt cccaac                                            16
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 17
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <221> NAME/KEY: misc_structure
64 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
65       with non-cohesive ends.
```

RAW SEQUENCE LISTING   DATE: 08/17/2004
PATENT APPLICATION: **US/09/833,245A**   TIME: 08:51:53

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
67  <400> SEQUENCE: 4
68  aattgttggg aatcttt                                    17
71  <210> SEQ ID NO: 5
72  <211> LENGTH: 17
73  <212> TYPE: DNA
74  <213> ORGANISM: Artificial Sequence
76  <220> FEATURE:
77  <221> NAME/KEY: misc_structure
78  <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
79        with non-cohesive ends.
81  <400> SEQUENCE: 5
82  ttaggcttat tcccaac                                    17
85  <210> SEQ ID NO: 6
86  <211> LENGTH: 18
87  <212> TYPE: DNA
88  <213> ORGANISM: Artificial Sequence
90  <220> FEATURE:
91  <221> NAME/KEY: misc_structure
92  <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
93        with non-cohesive ends.
95  <400> SEQUENCE: 6
96  aattgttggg aataagcc                                   18
99  <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <221> NAME/KEY: SITE
106 <222> LOCATION: 1)..(19)
107 <223> OTHER INFORMATION: invertase leader sequence
109 <220> FEATURE:
110 <221> NAME/KEY: SITE
111 <222> LOCATION: 20)..(24)
112 <223> OTHER INFORMATION: first 5 amino acids of mature human serum albumin
114 <400> SEQUENCE: 7
115 Met Leu Leu Gln Ala Phe Leu Phe Leu Leu Ala Gly Phe Ala Ala Lys
116   1               5                  10                  15
118 Ile Ser Ala Asp Ala His Lys Ser
119             20
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 21
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <221> NAME/KEY: misc_structure
129 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
130        fragments with non-cohesive ends.
132 <400> SEQUENCE: 8
133 gagatgcaca cctgagtgag g                               21
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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136 <210> SEQ ID NO: 9
137 <211> LENGTH: 27
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <221> NAME/KEY: misc_structure
143 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
144       fragments with non-cohesive ends.
146 <400> SEQUENCE: 9
147 gatcctgtgg cttcgatgca cacaaga                                27
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 24
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <221> NAME/KEY: misc_structure
157 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
158       fragments with non-cohesive ends.
160 <400> SEQUENCE: 10
161 ctcttgtgtg catcgaagcc acag                                   24
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 30
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <221> NAME/KEY: misc_structure
171 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
172       fragments with non-cohesive ends.
174 <400> SEQUENCE: 11
175 tgtggaagag cctcagaatt tattcccaac                              30
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 31
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <221> NAME/KEY: misc_structure
185 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
186       fragments with non-cohesive ends.
188 <400> SEQUENCE: 12
189 aattgttggg aataaattct gaggctcttc c                           31
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 47
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <221> NAME/KEY: misc_structure
199 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
200       fragments with non-cohesive ends.
202 <400> SEQUENCE: 13
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
203 ttaggcttag gtggcggtgg atccggcggt ggtggatctt tcccaac            47
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 48
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <221> NAME/KEY: misc_structure
213 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
214       fragments with non-cohesive ends.
216 <400> SEQUENCE: 14
217 aattgttggg aaagatccac caccgccgga tccaccgcca cctaagcc             48
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 62
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <221> NAME/KEY: misc_structure
227 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
228       fragments with non-cohesive ends.
230 <400> SEQUENCE: 15
231 ttaggcttag gcggtggtgg atctggtggc ggcggatctg gtggcggtgg atccttccca 60
232 ac                                                               62
235 <210> SEQ ID NO: 16
236 <211> LENGTH: 63
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <221> NAME/KEY: misc_structure
242 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
243       fragments with non-cohesive ends.
245 <400> SEQUENCE: 16
246 aattgttggg aaggatccac cgccaccaga tccgccgcca ccagatccac caccgcctaa 60
247 gcc                                                              63
250 <210> SEQ ID NO: 17
251 <211> LENGTH: 1782
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
255 <220> FEATURE:
256 <221> NAME/KEY: CDS
257 <222> LOCATION: (1)..(1755)
260 <400> SEQUENCE: 17
261 gat gca cac aag agt gag gtt gct cat cgg ttt aaa gat ttg gga gaa    48
262 Asp Ala His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu
263  1               5                  10                  15
265 gaa aat ttc aaa gcc ttg gtg ttg att gcc ttt gct cag tat ctt cag   96
266 Glu Asn Phe Lys Ala Leu Val Leu Ile Ala Phe Ala Gln Tyr Leu Gln
267             20                  25                  30
269 cag tgt cca ttt gaa gat cat gta aaa tta gtg aat gaa gta act gaa   144
270 Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
```

```
271          35                    40                    45
273 ttt gca aaa aca tgt gtt gct gat gag tca gct gaa aat tgt gac aaa    192
274 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
275      50                    55                    60
277 tca ctt cat acc ctt ttt gga gac aaa tta tgc aca gtt gca act ctt    240
278 Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
279  65                    70                    75                    80
281 cgt gaa acc tat ggt gaa atg gct gac tgc tgt gca aaa caa gaa cct    288
282 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
283                    85                    90                    95
285 gag aga aat gaa tgc ttc ttg caa cac aaa gat gac aac cca aac ctc    336
286 Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu
287               100                   105                   110
289 ccc cga ttg gtg aga cca gag gtt gat gtg atg tgc act gct ttt cat    384
290 Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His
291          115                   120                   125
293 gac aat gaa gag aca ttt ttg aaa aaa tac tta tat gaa att gcc aga    432
294 Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg
295      130                   135                   140
297 aga cat cct tac ttt tat gcc ccg gaa ctc ctt ttc ttt gct aaa agg    480
298 Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg
299 145                   150                   155                   160
301 tat aaa gct gct ttt aca gaa tgt tgc caa gct gct gat aaa gct gcc    528
302 Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala
303               165                   170                   175
305 tgc ctg ttg cca aag ctc gat gaa ctt cgg gat gaa ggg aag gct tcg    576
306 Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser
307          180                   185                   190
309 tct gcc aaa cag aga ctc aaa tgt gcc agt ctc caa aaa ttt gga gaa    624
310 Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu
311          195                   200                   205
313 aga gct ttc aaa gca tgg gca gtg gct cgc ctg agc cag aga ttt ccc    672
314 Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro
315      210                   215                   220
317 aaa gct gag ttt gca gaa gtt tcc aag tta gtg aca gat ctt acc aaa    720
318 Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys
319 225                   230                   235                   240
321 gtc cac acg gaa tgc tgc cat gga gat ctg ctt gaa tgt gct gat gac    768
322 Val His Thr Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp
323               245                   250                   255
325 agg gcg gac ctt gcc aag tat atc tgt gaa aat cag gat tcg atc tcc    816
326 Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser
327          260                   265                   270
329 agt aaa ctg aag gaa tgc tgt gaa aaa cct ctg ttg gaa aaa tcc cac    864
330 Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser His
331          275                   280                   285
333 tgc att gcc gaa gtg gaa aat gat gag atg cct gct gac ttg cct tca    912
334 Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser
335      290                   295                   300
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:25; N Pos. 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32
Seq#:26; N Pos. 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:27; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33
Seq#:28; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52
Seq#:32; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46
Seq#:33; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55
Seq#:74; Xaa Pos. 24
Seq#:76; Xaa Pos. 5
Seq#:77; Xaa Pos. 29,34,37
Seq#:78; Xaa Pos. 3,17,33
Seq#:82; Xaa Pos. 196,224,233
Seq#:83; Xaa Pos. 60,73,75,82
Seq#:86; Xaa Pos. 26
Seq#:87; Xaa Pos. 50
Seq#:89; Xaa Pos. 41
Seq#:91; Xaa Pos. 13
Seq#:95; Xaa Pos. 12,38,43,145
Seq#:99; Xaa Pos. 260
Seq#:101; Xaa Pos. 259,262,280
Seq#:104; Xaa Pos. 42,49,69,76
Seq#:115; Xaa Pos. 12,49,51
Seq#:124; Xaa Pos. 7,22,24,111
Seq#:125; Xaa Pos. 81,84
Seq#:127; Xaa Pos. 1,19,81
Seq#:131; Xaa Pos. 142
Seq#:137; Xaa Pos. 42
Seq#:146; Xaa Pos. 131,185,218,220,250,312
Seq#:154; Xaa Pos. 91,93,99
Seq#:158; Xaa Pos. 36
Seq#:159; Xaa Pos. 10,19
Seq#:163; Xaa Pos. 2,6,14,34,51
Seq#:169; Xaa Pos. 6,13,51
Seq#:170; Xaa Pos. 33,129
Seq#:175; Xaa Pos. 44,57
Seq#:176; Xaa Pos. 26
Seq#:180; Xaa Pos. 71
Seq#:181; Xaa Pos. 1,5,8
Seq#:189; Xaa Pos. 21
Seq#:190; Xaa Pos. 15,30,32,187
Seq#:195; Xaa Pos. 3,17
Seq#:196; Xaa Pos. 26,28
Seq#:197; Xaa Pos. 2
Seq#:198; Xaa Pos. 27
Seq#:200; Xaa Pos. 8,12,16,18,19,23
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
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Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

```
Seq#:204; Xaa Pos. 9,21
Seq#:211; Xaa Pos. 79,321
Seq#:215; Xaa Pos. 8,11,18,61
Seq#:216; Xaa Pos. 8,11,18,61
Seq#:223; Xaa Pos. 36,37
Seq#:228; Xaa Pos. 98
Seq#:234; Xaa Pos. 15
Seq#:235; Xaa Pos. 55
Seq#:236; Xaa Pos. 15
Seq#:237; Xaa Pos. 3,29,70,73,80,97,112,117,122
Seq#:239; Xaa Pos. 4,10,22,35,39,42
Seq#:243; Xaa Pos. 21,27,31
Seq#:257; Xaa Pos. 36,37
Seq#:261; Xaa Pos. 34
Seq#:265; Xaa Pos. 28
Seq#:272; Xaa Pos. 19,73
Seq#:275; Xaa Pos. 6,18
Seq#:276; Xaa Pos. 92,100,109,116
Seq#:283; Xaa Pos. 43,50
Seq#:284; Xaa Pos. 67
Seq#:285; Xaa Pos. 7
Seq#:286; Xaa Pos. 3,4,14,21
Seq#:290; Xaa Pos. 132
Seq#:293; Xaa Pos. 7,30,43,46
Seq#:294; Xaa Pos. 61,69,75
Seq#:295; Xaa Pos. 4,14
Seq#:298; Xaa Pos. 3,67
Seq#:303; Xaa Pos. 8
Seq#:304; Xaa Pos. 5
Seq#:306; Xaa Pos. 5,7,13,63,88,170,171
Seq#:310; Xaa Pos. 16,27,44
Seq#:315; Xaa Pos. 7
Seq#:316; Xaa Pos. 151,161,164
Seq#:317; Xaa Pos. 14,78
Seq#:320; Xaa Pos. 157
Seq#:322; Xaa Pos. 5
Seq#:327; Xaa Pos. 16
Seq#:329; Xaa Pos. 7
Seq#:335; Xaa Pos. 147,150,196,222
Seq#:340; Xaa Pos. 112,113,193,222,238,258
Seq#:342; Xaa Pos. 1,2,19
Seq#:343; Xaa Pos. 138,152
Seq#:344; Xaa Pos. 56
Seq#:345; Xaa Pos. 5,15,17,24
Seq#:348; Xaa Pos. 19,21,29,87
Seq#:357; Xaa Pos. 75
Seq#:364; Xaa Pos. 41
Seq#:365; Xaa Pos. 97
Seq#:366; Xaa Pos. 2,4,5,148
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    Input Set : N:\LMOORE\PTO.LM 09833245A.txt
    Output Set: N:\CRF4\08172004\I833245A.raw
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```
Seq#:369; Xaa Pos. 64,113
Seq#:370; Xaa Pos. 11,112,166
Seq#:373; Xaa Pos. 11,13 .
Seq#:375; Xaa Pos. 42,44
Seq#:378; Xaa Pos. 49,57,105,109,152,194,197,198,203,459,463,468
Seq#:382; Xaa Pos. 23,45
Seq#:386; Xaa Pos. 9,12,97,164,196
Seq#:388; Xaa Pos. 105,110,111,116,129,133
Seq#:389; Xaa Pos. 15,17
Seq#:395; Xaa Pos. 15
Seq#:402; Xaa Pos. 10,49
Seq#:404; Xaa Pos. 1
Seq#:406; Xaa Pos. 67
Seq#:408; Xaa Pos. 10,136,186,234
Seq#:409; Xaa Pos. 123,129,145,146,157
Seq#:416; Xaa Pos. 14,59,68
Seq#:424; Xaa Pos. 4,23
Seq#:425; Xaa Pos. 195
Seq#:426; Xaa Pos. 133,146
Seq#:431; Xaa Pos. 7,13,17
Seq#:433; Xaa Pos. 5,35,36
Seq#:434; Xaa Pos. 73
Seq#:435; Xaa Pos. 12,14,38
Seq#:451; Xaa Pos. 9
Seq#:452; Xaa Pos. 58,62
Seq#:453; Xaa Pos. 37,40,47
Seq#:456; Xaa Pos. 2
Seq#:462; Xaa Pos. 52
Seq#:464; Xaa Pos. 52
Seq#:465; Xaa Pos. 19,25,28,46
Seq#:480; Xaa Pos. 313,316,333,335,338,339,352,355
Seq#:483; Xaa Pos. 477
Seq#:484; Xaa Pos. 125,131
Seq#:489; Xaa Pos. 1,7,33
Seq#:490; Xaa Pos. 38
Seq#:499; Xaa Pos. 82,88,96,106,111
Seq#:508; Xaa Pos. 130
Seq#:512; Xaa Pos. 5
Seq#:513; Xaa Pos. 39
Seq#:514; Xaa Pos. 15,20
Seq#:521; Xaa Pos. 10,12
Seq#:524; Xaa Pos. 32
Seq#:525; Xaa Pos. 69
Seq#:534; Xaa Pos. 20,60
Seq#:540; Xaa Pos. 14
Seq#:544; Xaa Pos. 7,16
Seq#:563; Xaa Pos. 25
Seq#:572; Xaa Pos. 153,178,181,182
Seq#:585; Xaa Pos. 58
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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
Seq#:589; Xaa Pos. 5
Seq#:592; Xaa Pos. 129
Seq#:594; Xaa Pos. 23
Seq#:601; Xaa Pos. 6,21,31,76
Seq#:607; Xaa Pos. 87,92
Seq#:610; Xaa Pos. 159,175
Seq#:620; Xaa Pos. 175,320,331,368
Seq#:622; Xaa Pos. 102
Seq#:623; Xaa Pos. 91,173,174,175
Seq#:627; Xaa Pos. 358
Seq#:636; Xaa Pos. 13,39
Seq#:643; Xaa Pos. 8,33
Seq#:645; Xaa Pos. 67,76,81
Seq#:649; Xaa Pos. 534
Seq#:652; Xaa Pos. 204,283,305
Seq#:657; Xaa Pos. 67,68,70,96
Seq#:659; Xaa Pos. 9,18
Seq#:667; Xaa Pos. 89,103,104,113,121
Seq#:668; Xaa Pos. 174,189,205
Seq#:670; Xaa Pos. 4,11
Seq#:672; Xaa Pos. 8
Seq#:673; Xaa Pos. 31
Seq#:674; Xaa Pos. 3,13,17,19,23
Seq#:677; Xaa Pos. 24,65
Seq#:679; Xaa Pos. 13
Seq#:681; Xaa Pos. 13
Seq#:684; Xaa Pos. 2,3,41
Seq#:685; Xaa Pos. 168,169,173,180,191
Seq#:687; Xaa Pos. 48
Seq#:688; Xaa Pos. 249,261
Seq#:691; Xaa Pos. 63,73
Seq#:701; Xaa Pos. 222,223,236,242,244
Seq#:705; Xaa Pos. 45,47,51,134,183,222,224,255
Seq#:707; Xaa Pos. 310,365
Seq#:708; Xaa Pos. 43,69,70
Seq#:709; Xaa Pos. 50,70,86,100
Seq#:711; Xaa Pos. 25,77,79
Seq#:712; Xaa Pos. 432
Seq#:714; Xaa Pos. 56
Seq#:716; Xaa Pos. 26
Seq#:722; Xaa Pos. 10,15,268,271,273,274,276,286
Seq#:723; Xaa Pos. 71,103,112
Seq#:727; Xaa Pos. 103,112
Seq#:736; Xaa Pos. 144,201
Seq#:745; Xaa Pos. 58
Seq#:748; Xaa Pos. 35,42,46
Seq#:751; Xaa Pos. 45
Seq#:752; Xaa Pos. 94
Seq#:757; Xaa Pos. 97
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Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

```
Seq#:762; Xaa Pos. 110
Seq#:764; Xaa Pos. 40
Seq#:777; Xaa Pos. 103
Seq#:778; Xaa Pos. 236,257
Seq#:779; Xaa Pos. 92
Seq#:782; Xaa Pos. 40
Seq#:786; Xaa Pos. 157,170,171,177
Seq#:789; Xaa Pos. 9,24,30
Seq#:803; Xaa Pos. 10,27
Seq#:807; Xaa Pos. 92,95,97,98,101
Seq#:808; Xaa Pos. 358,494,504,505
Seq#:809; Xaa Pos. 18,21
Seq#:822; Xaa Pos. 89,92
Seq#:830; Xaa Pos. 9
Seq#:831; Xaa Pos. 13
Seq#:837; Xaa Pos. 12,16,20,23,25,35,38,48,49
Seq#:839; Xaa Pos. 8,9,10,16
Seq#:841; Xaa Pos. 1,26
Seq#:844; Xaa Pos. 3,95
Seq#:845; Xaa Pos. 25
Seq#:846; Xaa Pos. 4,10,27
Seq#:848; Xaa Pos. 3,5,6
Seq#:850; Xaa Pos. 45,46,48
Seq#:852; Xaa Pos. 20
Seq#:858; Xaa Pos. 17
Seq#:863; Xaa Pos. 35
Seq#:868; Xaa Pos. 2,25
Seq#:870; Xaa Pos. 87,99,230,263,264,270,275
Seq#:871; Xaa Pos. 66
Seq#:872; Xaa Pos. 7,27
Seq#:873; Xaa Pos. 9,14
Seq#:875; Xaa Pos. 31,57
Seq#:877; Xaa Pos. 43
Seq#:878; Xaa Pos. 28
Seq#:884; Xaa Pos. 15,29
Seq#:886; Xaa Pos. 199,206,214
Seq#:890; Xaa Pos. 9
Seq#:897; Xaa Pos. 26,29
Seq#:902; Xaa Pos. 7,11
Seq#:904; Xaa Pos. 11,20,398
Seq#:905; Xaa Pos. 26,216,234,275,871
Seq#:908; Xaa Pos. 262,279,294,295
Seq#:910; Xaa Pos. 80,151,162
Seq#:913; Xaa Pos. 70
Seq#:923; Xaa Pos. 62,63
Seq#:927; Xaa Pos. 60
Seq#:935; Xaa Pos. 119
Seq#:936; Xaa Pos. 22,25,26
Seq#:941; Xaa Pos. 3
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PATENT APPLICATION:  US/09/833,245A      TIME: 08:51:54

Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw
```

```
Seq#:945; Xaa Pos. 3,5
Seq#:958; Xaa Pos. 14
Seq#:961; Xaa Pos. 2,3
Seq#:962; Xaa Pos. 47
Seq#:967; Xaa Pos. 25,40,41,43,231,237
Seq#:968; Xaa Pos. 231,237
Seq#:970; Xaa Pos. 34,35,46
Seq#:980; Xaa Pos. 72
Seq#:982; Xaa Pos. 25,51,56
Seq#:989; Xaa Pos. 3,46
Seq#:992; Xaa Pos. 7,34
Seq#:993; Xaa Pos. 28
Seq#:996; Xaa Pos. 21
Seq#:999; Xaa Pos. 34
Seq#:1002; Xaa Pos. 45,99,104,108,109,111
Seq#:1003; Xaa Pos. 13
Seq#:1005; Xaa Pos. 55,59,63
Seq#:1006; Xaa Pos. 21,23,42
Seq#:1008; Xaa Pos. 71
Seq#:1019; Xaa Pos. 13
Seq#:1025; Xaa Pos. 16,17,18
Seq#:1027; Xaa Pos. 29
Seq#:1035; Xaa Pos. 42,43,44
Seq#:1037; Xaa Pos. 44
Seq#:1043; Xaa Pos. 39
Seq#:1050; Xaa Pos. 9
Seq#:1051; Xaa Pos. 54
Seq#:1053; Xaa Pos. 9
Seq#:1054; Xaa Pos. 31,79,102,111
Seq#:1057; Xaa Pos. 42,43,44
Seq#:1058; Xaa Pos. 15,21,49,65,66
Seq#:1067; Xaa Pos. 5
Seq#:1073; Xaa Pos. 38,42,44
Seq#:1074; Xaa Pos. 90,93,169,237,239,240,253
Seq#:1078; Xaa Pos. 2,13,16
Seq#:1086; Xaa Pos. 1,3,8,14
Seq#:1088; Xaa Pos. 90,173
Seq#:1089; Xaa Pos. 174,410
Seq#:1091; Xaa Pos. 68
Seq#:1094; Xaa Pos. 15
Seq#:1097; Xaa Pos. 62,70,71,74
Seq#:1098; Xaa Pos. 26,27,36,40,44,47,49
Seq#:1099; Xaa Pos. 2,17
Seq#:1106; Xaa Pos. 14,25,33
Seq#:1114; Xaa Pos. 86
Seq#:1117; Xaa Pos. 30
Seq#:1120; Xaa Pos. 20,38
Seq#:1126; Xaa Pos. 17
Seq#:1130; Xaa Pos. 104,197
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: **US/09/833,245A**   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM** 09833245A.txt
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
q#:1132; Xaa Pos. 215,252,253
q#:1135; Xaa Pos. 34,76
q#:1140; Xaa Pos. 143
q#:1141; Xaa Pos. 21,45
q#:1144; Xaa Pos. 72
q#:1146; Xaa Pos. 91
q#:1148; Xaa Pos. 77,82,83,86,91,122,124
q#:1149; Xaa Pos. 2,4,19
q#:1151; Xaa Pos. 46
q#:1154; Xaa Pos. 218,228,240
q#:1163; Xaa Pos. 216
q#:1166; Xaa Pos. 85,128,146,160,168,172
q#:1167; Xaa Pos. 146,160,168,172
q#:1168; Xaa Pos. 93
q#:1170; Xaa Pos. 169,172,180
q#:1173; Xaa Pos. 215
q#:1178; Xaa Pos. 4
q#:1180; Xaa Pos. 104,120
q#:1186; Xaa Pos. 62
q#:1194; Xaa Pos. 25,30,31
q#:1196; Xaa Pos. 142,160,162
q#:1199; Xaa Pos. 40,189
q#:1201; Xaa Pos. 260
q#:1203; Xaa Pos. 18,57
q#:1204; Xaa Pos. 3,4,25,37,49
q#:1206; Xaa Pos. 140,142,147,155,162
q#:1209; Xaa Pos. 70,71,72,73,75,81,89,90,95,97,99,105,127,141,169,178
q#:1209; Xaa Pos. 187,194
q#:1212; Xaa Pos. 162,204
q#:1213; Xaa Pos. 15
q#:1216; Xaa Pos. 268,458,460,461,463
q#:1225; Xaa Pos. 165
q#:1226; Xaa Pos. 4,60
q#:1228; Xaa Pos. 5
q#:1232; Xaa Pos. 89
q#:1238; Xaa Pos. 15,18,128,147,152
q#:1241; Xaa Pos. 26,216,234,275,871
q#:1243; Xaa Pos. 39,65
q#:1246; Xaa Pos. 124,129,214,224
q#:1254; Xaa Pos. 136
q#:1255; Xaa Pos. 33,43
q#:1265; Xaa Pos. 101
q#:1270; Xaa Pos. 158,277
q#:1272; Xaa Pos. 12,22,55,147,156,184
q#:1276; Xaa Pos. 173
q#:1278; Xaa Pos. 134
q#:1280; Xaa Pos. 4,25
q#:1285; Xaa Pos. 139,187
q#:1289; Xaa Pos. 200
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: **US/09/833,245A**   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
Seq#:1290; Xaa Pos. 217
Seq#:1291; Xaa Pos. 225,596,852
Seq#:1295; Xaa Pos. 77,122,141
Seq#:1296; Xaa Pos. 16,72
Seq#:1303; Xaa Pos. 22,83,92,95
Seq#:1305; Xaa Pos. 164,167,200,206,221
Seq#:1307; Xaa Pos. 87,95,107
Seq#:1309; Xaa Pos. 122
Seq#:1317; Xaa Pos. 54,62,64,96
Seq#:1324; Xaa Pos. 3
Seq#:1326; Xaa Pos. 92,134,170,195,205,209,214
Seq#:1330; Xaa Pos. 54,56
Seq#:1335; Xaa Pos. 142
Seq#:1339; Xaa Pos. 114,123,144
Seq#:1351; Xaa Pos. 111,116,123
Seq#:1353; Xaa Pos. 123,135,137
Seq#:1354; Xaa Pos. 24,75
Seq#:1361; Xaa Pos. 28,90
Seq#:1363; Xaa Pos. 204,224,228,264,271
Seq#:1365; Xaa Pos. 283,303,307
Seq#:1368; Xaa Pos. 164,247
Seq#:1371; Xaa Pos. 1,2,52,53
Seq#:1373; Xaa Pos. 114
Seq#:1374; Xaa Pos. 85,90,97
Seq#:1375; Xaa Pos. 114
Seq#:1377; Xaa Pos. 19,47,58,104
Seq#:1379; Xaa Pos. 17
Seq#:1380; Xaa Pos. 176,210,214,237,246
Seq#:1386; Xaa Pos. 20
Seq#:1393; Xaa Pos. 14,116,139
Seq#:1395; Xaa Pos. 77
Seq#:1398; Xaa Pos. 91,106
Seq#:1401; Xaa Pos. 1,17,103,178
Seq#:1402; Xaa Pos. 283,296,298
Seq#:1404; Xaa Pos. 114
Seq#:1406; Xaa Pos. 82
Seq#:1411; Xaa Pos. 66,101
Seq#:1413; Xaa Pos. 66,101
Seq#:1414; Xaa Pos. 12
Seq#:1418; Xaa Pos. 52,117,133,137
Seq#:1419; Xaa Pos. 90
Seq#:1422; Xaa Pos. 86,87,93,94,96
Seq#:1423; Xaa Pos. 96,131
Seq#:1425; Xaa Pos. 89,96,104
Seq#:1429; Xaa Pos. 38
Seq#:1432; Xaa Pos. 1,25,42,64,79
Seq#:1439; Xaa Pos. 56
Seq#:1440; Xaa Pos. 132
Seq#:1441; Xaa Pos. 6
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: US/09/833,245A   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
Seq#:1442; Xaa Pos. 104
Seq#:1443; Xaa Pos. 104
Seq#:1447; Xaa Pos. 61
Seq#:1450; Xaa Pos. 33
Seq#:1451; Xaa Pos. 31,115,116,122,126,127
Seq#:1455; Xaa Pos. 11
Seq#:1457; Xaa Pos. 8
Seq#:1467; Xaa Pos. 277
Seq#:1469; Xaa Pos. 231
Seq#:1471; Xaa Pos. 9
Seq#:1476; Xaa Pos. 11
Seq#:1478; Xaa Pos. 75
Seq#:1479; Xaa Pos. 153,158
Seq#:1480; Xaa Pos. 33,63
Seq#:1481; Xaa Pos. 216
Seq#:1483; Xaa Pos. 206
Seq#:1484; Xaa Pos. 33,62
Seq#:1485; Xaa Pos. 206
Seq#:1487; Xaa Pos. 19,25,28,56,70
Seq#:1497; Xaa Pos. 47
Seq#:1498; Xaa Pos. 73,194,200,210,225,237,389
Seq#:1499; Xaa Pos. 54,74,81,101,122
Seq#:1500; Xaa Pos. 110,112,114,116
Seq#:1502; Xaa Pos. 5,7,8,14,40
Seq#:1504; Xaa Pos. 63,64,82
Seq#:1508; Xaa Pos. 32
Seq#:1518; Xaa Pos. 70
Seq#:1519; Xaa Pos. 38,58
Seq#:1520; Xaa Pos. 25,80
Seq#:1521; Xaa Pos. 46
Seq#:1522; Xaa Pos. 54,92,95,117,122,128,132,139
Seq#:1523; Xaa Pos. 57
Seq#:1525; Xaa Pos. 19
Seq#:1526; Xaa Pos. 4,13
Seq#:1529; Xaa Pos. 224
Seq#:1531; Xaa Pos. 41
Seq#:1538; Xaa Pos. 93,98,104,106
Seq#:1542; Xaa Pos. 3,37,41,43,99,121
Seq#:1543; Xaa Pos. 180,181,190
Seq#:1544; Xaa Pos. 2,5,7,28,33
Seq#:1545; Xaa Pos. 176,177,179,192,294,297,302
Seq#:1548; Xaa Pos. 30,212,220,243
Seq#:1549; Xaa Pos. 321,386,391
Seq#:1553; Xaa Pos. 1,2
Seq#:1554; Xaa Pos. 140
Seq#:1559; Xaa Pos. 62,85,88,95,99
Seq#:1560; Xaa Pos. 71,86
Seq#:1563; Xaa Pos. 140,155,165,173,194,196
Seq#:1564; Xaa Pos. 3,12,57,62,80
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: US/09/833,245A   TIME: 08:51:54

Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

```
Seq#:1565; Xaa Pos. 424,459
Seq#:1566; Xaa Pos. 121,122
Seq#:1569; Xaa Pos. 46
Seq#:1573; Xaa Pos. 63,86
Seq#:1574; Xaa Pos. 49
Seq#:1579; Xaa Pos. 132,139,168,170,181
Seq#:1580; Xaa Pos. 168
Seq#:1588; Xaa Pos. 116
Seq#:1590; Xaa Pos. 21,104
Seq#:1591; Xaa Pos. 183,191,192,334,344,345,348
Seq#:1593; Xaa Pos. 183
Seq#:1598; Xaa Pos. 46
Seq#:1599; Xaa Pos. 1
Seq#:1601; Xaa Pos. 171,180,182,188,208,210,211,218,219
Seq#:1603; Xaa Pos. 59
Seq#:1605; Xaa Pos. 67,74
Seq#:1608; Xaa Pos. 205,212
Seq#:1610; Xaa Pos. 92,93,108,117,122
Seq#:1611; Xaa Pos. 37
Seq#:1615; Xaa Pos. 88,119,120,149,151,154
Seq#:1616; Xaa Pos. 17,18
Seq#:1617; Xaa Pos. 119,120,149,151,154
Seq#:1622; Xaa Pos. 171,175,177,181,185,188,189,193
Seq#:1626; Xaa Pos. 84
Seq#:1627; Xaa Pos. 15,39
Seq#:1629; Xaa Pos. 81,163
Seq#:1631; Xaa Pos. 224,245,250,252,255,256,257,287,301
Seq#:1632; Xaa Pos. 99,118,141,164,170,172,173
Seq#:1641; Xaa Pos. 52
Seq#:1645; Xaa Pos. 116
Seq#:1647; Xaa Pos. 30
Seq#:1648; Xaa Pos. 76,112,146
Seq#:1650; Xaa Pos. 200
Seq#:1651; Xaa Pos. 52
Seq#:1654; Xaa Pos. 26
Seq#:1658; Xaa Pos. 12,52,64,67,68
Seq#:1660; Xaa Pos. 24
Seq#:1661; Xaa Pos. 172,174
Seq#:1663; Xaa Pos. 71
Seq#:1664; Xaa Pos. 71
Seq#:1667; Xaa Pos. 69,76,90,108
Seq#:1673; Xaa Pos. 92,114,122,134
Seq#:1674; Xaa Pos. 140
Seq#:1677; Xaa Pos. 119
Seq#:1679; Xaa Pos. 330,333
Seq#:1684; Xaa Pos. 123,175
Seq#:1688; Xaa Pos. 120,142
Seq#:1689; Xaa Pos. 145,151,168
Seq#:1692; Xaa Pos. 148,149,204,292,303
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: US/09/833,245A   TIME: 08:51:54

Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

```
Seq#:1694; Xaa Pos. 45,76
Seq#:1700; Xaa Pos. 71,125
Seq#:1701; Xaa Pos. 71,125
Seq#:1702; Xaa Pos. 223
Seq#:1707; Xaa Pos. 69
Seq#:1709; Xaa Pos. 7
Seq#:1711; Xaa Pos. 163
Seq#:1712; Xaa Pos. 13,14
Seq#:1713; Xaa Pos. 31
Seq#:1716; Xaa Pos. 140
Seq#:1717; Xaa Pos. 24,122,123
Seq#:1719; Xaa Pos. 120,124,126,148,171,172
Seq#:1721; Xaa Pos. 98,134,148,171,172
Seq#:1722; Xaa Pos. 171
Seq#:1724; Xaa Pos. 61,82
Seq#:1725; Xaa Pos. 115,123,140
Seq#:1727; Xaa Pos. 116,120
Seq#:1728; Xaa Pos. 11
Seq#:1735; Xaa Pos. 150,271
Seq#:1736; Xaa Pos. 75
Seq#:1739; Xaa Pos. 134,142,154,161
Seq#:1743; Xaa Pos. 8,9
Seq#:1748; Xaa Pos. 23
Seq#:1751; Xaa Pos. 138,166
Seq#:1753; Xaa Pos. 138,183
Seq#:1757; Xaa Pos. 221,241,246
Seq#:1758; Xaa Pos. 74,88,89,91
Seq#:1759; Xaa Pos. 242,247,248
Seq#:1765; Xaa Pos. 146,177,193,199,208,222,231
Seq#:1767; Xaa Pos. 192,222,235
Seq#:1771; Xaa Pos. 176,180,188,189,198,200,206
Seq#:1772; Xaa Pos. 59
Seq#:1777; Xaa Pos. 71,104
Seq#:1780; Xaa Pos. 157,169,171,172,174,179,191
Seq#:1781; Xaa Pos. 22,52
Seq#:1783; Xaa Pos. 145,175
Seq#:1787; Xaa Pos. 25,150
Seq#:1791; Xaa Pos. 75,125
Seq#:1794; Xaa Pos. 77
Seq#:1800; Xaa Pos. 140
Seq#:1810; Xaa Pos. 56
Seq#:1811; Xaa Pos. 78
Seq#:1812; Xaa Pos. 63,66
Seq#:1816; Xaa Pos. 3
Seq#:1818; Xaa Pos. 94,95
Seq#:1820; Xaa Pos. 81,83,84,96
Seq#:1823; Xaa Pos. 69
Seq#:1828; Xaa Pos. 125,127
Seq#:1832; Xaa Pos. 113,118,157,268
```

```
RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 08/17/2004
PATENT APPLICATION:   US/09/833,245A     TIME: 08:51:54

Input Set  : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

Seq#:1833; Xaa Pos. 104,147,151,176,179
Seq#:1835; Xaa Pos. 147,288,293,332,443
Seq#:1838; Xaa Pos. 17,47
Seq#:1840; Xaa Pos. 92,105,125,130
Seq#:1842; Xaa Pos. 22
Seq#:1850; Xaa Pos. 136,161,169,197
Seq#:1853; Xaa Pos. 91,140,169
Seq#:1854; Xaa Pos. 140,325,329,335,338,339
Seq#:1861; Xaa Pos. 23,36,44
Seq#:1862; Xaa Pos. 1,10,11
Seq#:1864; Xaa Pos. 37
Seq#:1870; Xaa Pos. 98,166,231
Seq#:1871; Xaa Pos. 54,71,89
Seq#:1873; Xaa Pos. 53
Seq#:1874; Xaa Pos. 28,168,169,171,178,442
Seq#:1876; Xaa Pos. 65
Seq#:1879; Xaa Pos. 67
Seq#:1884; Xaa Pos. 14,28
Seq#:1885; Xaa Pos. 172,197,198,205,214,228,233,236
Seq#:1891; Xaa Pos. 96
Seq#:1893; Xaa Pos. 140
Seq#:1894; Xaa Pos. 140
Seq#:1898; Xaa Pos. 89,111,116
Seq#:1902; Xaa Pos. 57,73
Seq#:1905; Xaa Pos. 118
Seq#:1906; Xaa Pos. 145,147,148,152
Seq#:1910; Xaa Pos. 71,153
Seq#:1912; Xaa Pos. 133
Seq#:1916; Xaa Pos. 65
Seq#:1917; Xaa Pos. 249,257,298,300,301
Seq#:1923; Xaa Pos. 29
Seq#:1925; Xaa Pos. 59,111
Seq#:1930; Xaa Pos. 65
Seq#:1932; Xaa Pos. 19,125
Seq#:1934; Xaa Pos. 95,112
Seq#:1935; Xaa Pos. 69
Seq#:1936; Xaa Pos. 85,88,95,107,123
Seq#:1940; Xaa Pos. 159,208,218,221
Seq#:1941; Xaa Pos. 4,18,24,108
Seq#:1945; Xaa Pos. 115,143
Seq#:1946; Xaa Pos. 59,130
Seq#:1947; Xaa Pos. 193,357
Seq#:1949; Xaa Pos. 327
Seq#:1950; Xaa Pos. 63,74,103
Seq#:1960; Xaa Pos. 8
Seq#:1964; Xaa Pos. 104
Seq#:1966; Xaa Pos. 44
Seq#:1968; Xaa Pos. 20
Seq#:1969; Xaa Pos. 20,79,165
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: US/09/833,245A   TIME: 08:51:54

Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

```
Seq#:1971; Xaa Pos. 6,60
Seq#:1975; Xaa Pos. 99,106,121,123,127
Seq#:1976; Xaa Pos. 151,160
Seq#:1977; Xaa Pos. 92,113,116
Seq#:1981; Xaa Pos. 40
Seq#:1983; Xaa Pos. 40
Seq#:1984; Xaa Pos. 29,37,99
Seq#:1985; Xaa Pos. 37
Seq#:1988; Xaa Pos. 176,181,195,200
Seq#:1990; Xaa Pos. 176
Seq#:1991; Xaa Pos. 171,205,210,221
Seq#:1992; Xaa Pos. 169,187,194
Seq#:1994; Xaa Pos. 229,230,236
Seq#:1998; Xaa Pos. 76,78,79,80,84
Seq#:2000; Xaa Pos. 76,106
Seq#:2001; Xaa Pos. 62
Seq#:2003; Xaa Pos. 119
Seq#:2007; Xaa Pos. 25,26,34
Seq#:2010; Xaa Pos. 171,358,388
Seq#:2026; Xaa Pos. 29
Seq#:2030; Xaa Pos. 83
Seq#:2031; Xaa Pos. 118,121
Seq#:2032; Xaa Pos. 39
Seq#:2033; Xaa Pos. 39
Seq#:2034; Xaa Pos. 39
Seq#:2035; Xaa Pos. 39
Seq#:2037; Xaa Pos. 227
Seq#:2071; Xaa Pos. 138
Seq#:2082; Xaa Pos. 28
Seq#:2090; Xaa Pos. 107,109,116
Seq#:2091; Xaa Pos. 87
Seq#:2093; Xaa Pos. 98,100
Seq#:2096; Xaa Pos. 7
Seq#:2103; Xaa Pos. 143
Seq#:2106; Xaa Pos. 321,345
Seq#:2108; Xaa Pos. 41,77,96,98,108,122,124,126,175,192,210,236,239,309,335
Seq#:2108; Xaa Pos. 389
Seq#:2122; Xaa Pos. 284
Seq#:2134; Xaa Pos. 10,42
Seq#:2135; Xaa Pos. 10,48
Seq#:2146; Xaa Pos. 63,99,122
Seq#:2151; Xaa Pos. 128
Seq#:2164; Xaa Pos. 105
Seq#:2174; Xaa Pos. 507
Seq#:2178; Xaa Pos. 111
Seq#:2179; Xaa Pos. 194,309,550
Seq#:2181; Xaa Pos. 36
Seq#:2187; Xaa Pos. 20,168,198,199,244,246,294,301,303,493,498,499,505
Seq#:2189; Xaa Pos. 488,490,494,495,505
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: **US/09/833,245A**   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

Seq#:2193; Xaa Pos. 93,97
Seq#:2200; Xaa Pos. 353,354,363
Seq#:2201; Xaa Pos. 128
Seq#:2207; Xaa Pos. 47,49
Seq#:2208; Xaa Pos. 75,77,112
Seq#:2210; Xaa Pos. 120
Seq#:2213; Xaa Pos. 27,112
Seq#:2215; Xaa Pos. 3,4
Seq#:2217; Xaa Pos. 61,79
Seq#:2219; Xaa Pos. 101,106
Seq#:2220; Xaa Pos. 254
Seq#:2225; Xaa Pos. 86,146
Seq#:2226; Xaa Pos. 86,116,135,146
Seq#:2269; Xaa Pos. 3

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2270; Line(s) 91693
Seq#:2271; Line(s) 91707
Seq#:2276; Line(s) 91776

VERIFICATION SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: US/09/833,245A   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
L:699  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:789  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:878  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:968  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:16
L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:16
L:1946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:32
L:1978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:1981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:16
L:1984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:32
L:2295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:192
L:2298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:208
L:2301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:224
L:2347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:48
L:2350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:64
L:2353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:80
L:2457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:16
L:2488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:48
L:2548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:32
L:2587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:2684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
L:2690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:32
L:2711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:144
L:2814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:256
L:2983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:256
L:2986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:272
L:3189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:32
L:3192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:48
L:3195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:64
L:3505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0
L:3514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:48
L:3693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
L:3696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:16
L:3711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:96
L:3750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:80
L:3892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0
L:3895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:16
L:3907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:80
L:4004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:128
L:4168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:32
L:4525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:128
L:4534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:176
L:4540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:208
L:4546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:240
L:4558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:304
```

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L:4778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:80
L:4781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:96
L:4866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:32
L:4899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:0
L:4902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:16
L:5100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:0
L:5106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:32
L:5109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:48
L:5238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:5247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:48
L:5277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:32
L:5295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:128
L:5408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:32
L:5411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:48
L:5433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:16
L:5509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180 after pos.:64
L:5535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181 after pos.:0
L:5691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:16
L:5725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:5728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:16
L:5758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:176
L:5940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:5943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:16
L:5973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:16
L:6001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:0
L:6035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:16
L:6180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:0
L:6183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:16
L:6312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:6315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:16
L:6489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:64
L:6537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:320
L:6724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
L:6727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:16
L:6733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:48
L:6767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:6770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:16
L:6776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:48
L:6926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:32
L:7034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:96
L:7183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234 after pos.:0
L:7214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:48
L:7251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:0
L:7313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:0
L:7316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:16
L:7325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:64
L:7331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:96
L:7334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:237 after pos.:112
L:7434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:0
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:7437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:16
L:7440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:32
L:7532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243 after pos.:16
L:7843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:32
L:7925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261 after pos.:32
L:7998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265 after pos.:16
L:8196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:16
L:8205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:64
L:8287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:0
L:8290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:16
L:8372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:80
L:8375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:96
L:8378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276 after pos.:112
L:8573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:32
L:8576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:283 after pos.:48
L:8604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:64
L:8653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285 after pos.:0
L:8690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:0
L:8693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:286 after pos.:16
L:8811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:128
L:8918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:0
L:8921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:16
L:8924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:293 after pos.:32
L:8968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:48
L:8971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:64
L:8995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:295 after pos.:0
L:9065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298 after pos.:0
L:9077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298 after pos.:64
L:9266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:303 after pos.:0
L:9297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304 after pos.:0
L:9369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:0
L:9378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:48
L:9384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:80
L:9399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:160
L:9476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:0
L:9479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:16
L:9482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310 after pos.:32
L:9680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:0
L:9760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:316 after pos.:144
L:9763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:316 after pos.:160
L:9784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:317 after pos.:0
L:9796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:317 after pos.:64
L:10038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320 after pos.:144
L:10161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:0
L:10251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:327 after pos.:0
L:10293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329 after pos.:0
L:10490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:144
L:10499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:192
L:10502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335 after pos.:208
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:10644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:96
L:10647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:112
L:10662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:192
L:10665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:208
L:10668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:224
L:10674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:256
L:10753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342 after pos.:0
L:10756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342 after pos.:16
L:10813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343 after pos.:128
L:10816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343 after pos.:144
L:10844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:48
L:10917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:345 after pos.:0
L:10920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:345 after pos.:16
L:11159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:16
L:11171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:348 after pos.:80
L:11521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357 after pos.:64
L:11669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:32
L:11706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:96
L:11737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:0
L:11764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:144
L:11885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:48
L:11897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:112
L:11941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0
L:11959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:96
L:11971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:160
L:12047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:373 after pos.:0
L:12100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:375 after pos.:32
L:12214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:48
L:12223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:96
L:12232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:144
L:12241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:192
L:12289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:448
L:12292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:464
L:12376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:16
L:12379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:32
L:12472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:0
L:12490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:96
L:12502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:160
L:12508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:192
L:12584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:96
L:12587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:112
L:12590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:128
L:12623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:0
L:12626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:16
L:12799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:395 after pos.:0
L:12967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:0
L:12976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402 after pos.:48
L:13012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:404 after pos.:0
L:13081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406 after pos.:64
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:13135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408 after pos.:0
L:13159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408 after pos.:128
L:13168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408 after pos.:176
L:13177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408 after pos.:224
L:13252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409 after pos.:112
L:13255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409 after pos.:128
L:13258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409 after pos.:144
L:13437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416 after pos.:0
L:13446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416 after pos.:48
L:13449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416 after pos.:64
L:13649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:0
L:13652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:16
L:13710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:192
L:13755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:128
L:13758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:144
L:13867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431 after pos.:0
L:13870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431 after pos.:16
L:13928 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433 after pos.:0
L:13934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433 after pos.:32
L:13962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434 after pos.:64
L:13988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:435 after pos.:0
L:13994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:435 after pos.:32
L:14274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451 after pos.:0
L:14307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:452 after pos.:48
L:14339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453 after pos.:32
L:14449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:456 after pos.:0
L:14619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:462 after pos.:48
L:14664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:464 after pos.:48
L:14698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465 after pos.:16
L:14701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465 after pos.:32
L:15098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480 after pos.:304
L:15101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480 after pos.:320
L:15104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480 after pos.:336
L:15107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:480 after pos.:352
L:15268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:483 after pos.:464
L:15379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:484 after pos.:112
L:15382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:484 after pos.:128
L:15467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:489 after pos.:0
L:15473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:489 after pos.:32
L:15513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:490 after pos.:32
L:15736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:499 after pos.:80
L:15739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:499 after pos.:96
L:15945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:508 after pos.:128
L:16033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512 after pos.:0
L:16070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:513 after pos.:32
L:16091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:514 after pos.:0
L:16094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:514 after pos.:16
L:16229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:521 after pos.:0
L:16279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:524 after pos.:16
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
:16319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:525 after pos.:64
:16509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:16
:16515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:48
:16658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:0
:16760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:544 after pos.:0
:17142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:563 after pos.:16
:17408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:572 after pos.:144
:17414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:572 after pos.:176
:17745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:585 after pos.:48
:17884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:589 after pos.:0
:17961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:592 after pos.:128
:18033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:594 after pos.:16
:18208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:601 after pos.:0
:18211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:601 after pos.:16
:18220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:601 after pos.:64
:18347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:607 after pos.:80
:18534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:610 after pos.:144
:18537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:610 after pos.:160
:18781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:160
:18808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:304
:18811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:320
:18817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:620 after pos.:352
:18946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:622 after pos.:96
:19001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:623 after pos.:80
:19016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:623 after pos.:160
:19140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:627 after pos.:352
:19375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636 after pos.:0
:19381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636 after pos.:32
:19594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:643 after pos.:0
:19600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:643 after pos.:32
:19667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:645 after pos.:64
:19670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:645 after pos.:80
:19845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:649 after pos.:528
:20190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:652 after pos.:192
:20205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:652 after pos.:272
:20211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:652 after pos.:304
:20469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:657 after pos.:64
:20472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:657 after pos.:80
:20537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:659 after pos.:0
:20540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:659 after pos.:16
:20716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:667 after pos.:80
:20719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:667 after pos.:96
:20722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:667 after pos.:112
:20778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:160
:20781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:176
:20784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:192
:20882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670 after pos.:0
:20933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:672 after pos.:0
:20952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:673 after pos.:16
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:20994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:674 after pos.:0
L:20997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:674 after pos.:16
L:21055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:677 after pos.:16
L:21064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:677 after pos.:64
L:21103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:679 after pos.:0
L:21136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:681 after pos.:0
L:21190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:684 after pos.:0
L:21196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:684 after pos.:32
L:21292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:685 after pos.:160
L:21295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:685 after pos.:176
L:21496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:687 after pos.:32
L:21565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:688 after pos.:240
L:21568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:688 after pos.:256
L:21674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:691 after pos.:48
L:21677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:691 after pos.:64
L:22025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:701 after pos.:208
L:22028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:701 after pos.:224
L:22031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:701 after pos.:240
L:22136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:32
L:22139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:48
L:22154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:128
L:22163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:176
L:22169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:208
L:22175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:705 after pos.:240
L:22357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707 after pos.:304
L:22366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:707 after pos.:352
L:22401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:708 after pos.:32
L:22407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:708 after pos.:64
L:22450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:48
L:22453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:64
L:22456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:80
L:22459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:709 after pos.:96
L:22577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:711 after pos.:16
L:22586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:711 after pos.:64
L:22686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:712 after pos.:416
L:22812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:714 after pos.:48
L:22854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:716 after pos.:16
L:23170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722 after pos.:0
L:23218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722 after pos.:256
L:23221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:722 after pos.:272
L:23262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:64
L:23268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:723 after pos.:96
L:23367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:727 after pos.:96
L:23695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:128
L:23707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:736 after pos.:192
L:23979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:745 after pos.:48
L:24051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:748 after pos.:32
L:24098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:751 after pos.:32
L:24129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:752 after pos.:80
```

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Input Set : N:\LMOORE\PTO.LM 09833245A.txt
Output Set: N:\CRF4\08172004\I833245A.raw

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L:24414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:757 after pos.:96
L:24579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:762 after pos.:96
L:24693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:764 after pos.:32
L:25132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:777 after pos.:96
L:25198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778 after pos.:224
L:25204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:778 after pos.:256
L:25235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:779 after pos.:80
L:25306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:782 after pos.:32
L:25430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:786 after pos.:144
L:25433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:786 after pos.:160
L:25436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:786 after pos.:176
L:25517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:789 after pos.:0
L:25520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:789 after pos.:16
L:25804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:803 after pos.:0
L:25807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:803 after pos.:16
L:25921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:807 after pos.:80
L:25924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:807 after pos.:96
L:26084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:808 after pos.:352
L:26108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:808 after pos.:480
L:26111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:808 after pos.:496
L:26135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:809 after pos.:16
L:26552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:822 after pos.:80
L:26714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:830 after pos.:0
L:26742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:831 after pos.:0
L:27015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:837 after pos.:0
L:27018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:837 after pos.:16
L:27021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:837 after pos.:32
L:27024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:837 after pos.:48
L:27081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:839 after pos.:0
L:27158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:841 after pos.:0
L:27161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:841 after pos.:16
L:27234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:844 after pos.:0
L:27249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:844 after pos.:80
L:27283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:845 after pos.:16
L:27321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:846 after pos.:0
L:27324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:846 after pos.:16
L:27376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:848 after pos.:0
L:27458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:850 after pos.:32
L:27491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:852 after pos.:16
L:27664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:858 after pos.:16
L:27808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:863 after pos.:32
L:27885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:868 after pos.:0
L:27888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:868 after pos.:16
L:27978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:870 after pos.:80
L:27981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:870 after pos.:96
L:28005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:870 after pos.:224
L:28011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:870 after pos.:256
L:28014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:870 after pos.:272
L:28045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:871 after pos.:64
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
L:28072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:872 after pos.:0
L:28075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:872 after pos.:16
L:28105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:873 after pos.:0
L:28152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:875 after pos.:16
L:28158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:875 after pos.:48
L:28218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:877 after pos.:32
L:28243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:878 after pos.:16
L:28391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:884 after pos.:0
L:28394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:884 after pos.:16
L:28482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:886 after pos.:192
L:28485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:886 after pos.:208
L:28708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:890 after pos.:0
L:28879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:897 after pos.:16
L:28977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:902 after pos.:0
L:29116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:904 after pos.:0
L:29119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:904 after pos.:16
L:29188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:904 after pos.:384
L:29248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:16
L:29284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:208
L:29287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:224
L:29296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:272
L:29407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:864
L:29865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:908 after pos.:256
L:29868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:908 after pos.:272
L:29871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:908 after pos.:288
L:29926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:910 after pos.:64
L:29941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:910 after pos.:144
L:29944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:910 after pos.:160
L:30171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:913 after pos.:64
L:30447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:923 after pos.:48
L:30553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:927 after pos.:48
L:30868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:935 after pos.:112
L:30897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:936 after pos.:16
L:30993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:941 after pos.:0
L:31089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:945 after pos.:0
L:31411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:958 after pos.:0
L:31460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:961 after pos.:0
L:31494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:962 after pos.:32
L:31606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:967 after pos.:16
L:31609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:967 after pos.:32
L:31645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:967 after pos.:224
L:31711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:968 after pos.:224
L:31772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:970 after pos.:32
L:31980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:980 after pos.:64
L:32038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:982 after pos.:16
L:32044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:982 after pos.:48
L:32158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:989 after pos.:0
L:32164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:989 after pos.:32
L:32216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:992 after pos.:0
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
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.:32222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:992 after pos.:32
.:32244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:993 after pos.:16
.:32300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:996 after pos.:16
.:32368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:999 after pos.:32
.:32455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1002 after pos.:32
.:32467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1002 after pos.:96
.:32483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1003 after pos.:0
.:32556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1005 after pos.:48
.:32588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1006 after pos.:16
.:32591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1006 after pos.:32
.:32642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1008 after pos.:64
.:32828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1019 after pos.:0
.:33041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1025 after pos.:0
.:33044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1025 after pos.:16
.:33107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1027 after pos.:16
.:33261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1035 after pos.:32
.:33423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1037 after pos.:32
.:33560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1043 after pos.:32
.:33717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1050 after pos.:0
.:33745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1051 after pos.:48
.:33781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1053 after pos.:0
.:33827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1054 after pos.:16
.:33836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1054 after pos.:64
.:33842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1054 after pos.:96
.:33929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1057 after pos.:32
.:34049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1058 after pos.:0
.:34052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1058 after pos.:16
.:34058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1058 after pos.:48
.:34061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1058 after pos.:64
.:34312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1067 after pos.:0
.:34432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1073 after pos.:32
.:34496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1074 after pos.:80
.:34511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1074 after pos.:160
.:34523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1074 after pos.:224
.:34526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1074 after pos.:240
.:34606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1078 after pos.:0
.:34804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1086 after pos.:0
.:34881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1088 after pos.:80
.:34896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1088 after pos.:160
.:34950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1089 after pos.:160
.:34995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1089 after pos.:400
.:35139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1091 after pos.:64
.:35198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1094 after pos.:0
.:35269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1097 after pos.:48
.:35272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1097 after pos.:64
.:35321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1098 after pos.:16
.:35324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1098 after pos.:32
.:35327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1098 after pos.:48
.:35348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1099 after pos.:0
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VERIFICATION SUMMARY   DATE: 08/17/2004
PATENT APPLICATION: **US/09/833,245A**   TIME: 08:51:54

Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

```
:35351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1099 after pos.:16
:35542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1106 after pos.:0
:35545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1106 after pos.:16
:35548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1106 after pos.:32
:35710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1114 after pos.:80
:35817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1117 after pos.:16
:35875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1120 after pos.:16
:35878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1120 after pos.:32
:36009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1126 after pos.:16
:36150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1130 after pos.:96
:36168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1130 after pos.:192
:36286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1132 after pos.:208
:36292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1132 after pos.:240
·36383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1135 after pos.:32
·36389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1135 after pos.:64
:36602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1140 after pos.:128
:36635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1141 after pos.:16
:36638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1141 after pos.:32
·36814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1144 after pos.:64
·36883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1146 after pos.:80
 37039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:64
:37042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:80
·37048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1148 after pos.:112
 37080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1149 after pos.:0
:37083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1149 after pos.:16
:37263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1151 after pos.:32
:37371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1154 after pos.:208
:37374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1154 after pos.:224
:37916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1163 after pos.:208
:38183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1166 after pos.:80
:38189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1166 after pos.:112
 38195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1166 after pos.:144
 38198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1166 after pos.:160
 38256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1167 after pos.:144
 38259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1167 after pos.:160
 38290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1168 after pos.:80
 38510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1170 after pos.:160
 38513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1170 after pos.:176
 38656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1173 after pos.:208
 38875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1178 after pos.:0
 38946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1180 after pos.:96
 38949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1180 after pos.:112
 39113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1186 after pos.:48
 39465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1194 after pos.:16
 39595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1196 after pos.:128
 39598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1196 after pos.:144
 39601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1196 after pos.:160
 39737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1199 after pos.:32
 39764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1199 after pos.:176
```

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```
9863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1201 after pos.:256
0033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1203 after pos.:16
0039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1203 after pos.:48
0078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1204 after pos.:0
0081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1204 after pos.:16
0084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1204 after pos.:32
0087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1204 after pos.:48
0182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1206 after pos.:128
0185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1206 after pos.:144
0188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1206 after pos.:160
0431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:64
0434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:80
0437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:96
0440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:112
0443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:128
0449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:160
0452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:176
0455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1209 after pos.:192
0729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1212 after pos.:160
0735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1212 after pos.:192
0751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1213 after pos.:0
0965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1216 after pos.:256
1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1216 after pos.:448
1318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1225 after pos.:160
1339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1226 after pos.:0
1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1226 after pos.:48
1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1228 after pos.:0
1619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1232 after pos.:80
2010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1238 after pos.:0
2013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1238 after pos.:16
2031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1238 after pos.:112
2037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1238 after pos.:144
2149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1241 after pos.:16
2185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1241 after pos.:208
2188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1241 after pos.:224
2197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1241 after pos.:272
2308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1241 after pos.:864
2502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1243 after pos.:32
2508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1243 after pos.:64
2612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1246 after pos.:112
2615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1246 after pos.:128
2630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1246 after pos.:208
2996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1254 after pos.:128
3023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1255 after pos.:32
3495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1265 after pos.:96
3683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1270 after pos.:144
3707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1270 after pos.:272
3915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1272 after pos.:0
3918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1272 after pos.:16
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
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```
L:43924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1272 after pos.:48
L:43942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1272 after pos.:144
L:43948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1272 after pos.:176
L:44219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1276 after pos.:160
L:44342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1278 after pos.:128
L:44398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1280 after pos.:0
L:44401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1280 after pos.:16
L:44637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1285 after pos.:128
L:44646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1285 after pos.:176
L:44803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1289 after pos.:192
L:44873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1290 after pos.:208
L:44953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1291 after pos.:224
L:45022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1291 after pos.:592
L:45070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1291 after pos.:848
L:45363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1295 after pos.:64
L:45372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1295 after pos.:112
L:45375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1295 after pos.:128
L:45399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1296 after pos.:0
L:45411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1296 after pos.:64
L:45733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1303 after pos.:16
L:45745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1303 after pos.:80
L:45948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1305 after pos.:160
L:45954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1305 after pos.:192
L:45957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1305 after pos.:208
L:46042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1307 after pos.:80
L:46045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1307 after pos.:96
L:46168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1309 after pos.:112
L:46450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1317 after pos.:48
L:46456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1317 after pos.:80
L:46718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1324 after pos.:0
L:46799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1326 after pos.:80
L:46808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1326 after pos.:128
L:46814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1326 after pos.:160
L:46820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1326 after pos.:192
L:46823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1326 after pos.:208
L:46955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1330 after pos.:48
L:47114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1335 after pos.:128
L:47323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1339 after pos.:112
L:47326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1339 after pos.:128
L:47875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1351 after pos.:96
L:47878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1351 after pos.:112
L:47960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1353 after pos.:112
L:47963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1353 after pos.:128
L:47990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1354 after pos.:16
L:47999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1354 after pos.:64
L:48413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1361 after pos.:16
L:48425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1361 after pos.:80
L:48544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1363 after pos.:192
L:48547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1363 after pos.:208
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
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```
L:48550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1363 after pos.:224
L:48556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1363 after pos.:256
L:48698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1365 after pos.:272
L:48701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1365 after pos.:288
L:48704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1365 after pos.:304
L:48843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1368 after pos.:160
L:48858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1368 after pos.:240
L:48986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1371 after pos.:0
L:48995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1371 after pos.:48
L:49067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1373 after pos.:112
L:49108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1374 after pos.:80
L:49111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1374 after pos.:96
L:49148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1375 after pos.:112
L:49271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:16
L:49274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:32
L:49277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:48
L:49286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1377 after pos.:96
L:49346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1379 after pos.:16
L:49424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1380 after pos.:160
L:49433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1380 after pos.:208
L:49436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1380 after pos.:224
L:49439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1380 after pos.:240
L:49675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1386 after pos.:16
L:49941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:0
L:49962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:112
L:49965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1393 after pos.:128
L:50061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1395 after pos.:64
L:50164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1398 after pos.:80
L:50167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1398 after pos.:96
L:50256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1401 after pos.:0
L:50259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1401 after pos.:16
L:50274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1401 after pos.:96
L:50289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1401 after pos.:176
L:50417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1402 after pos.:272
L:50420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1402 after pos.:288
L:50489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1404 after pos.:112
L:50546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1406 after pos.:80
L:50683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1411 after pos.:64
L:50689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1411 after pos.:96
L:50787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1413 after pos.:64
L:50793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1413 after pos.:96
L:50833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1414 after pos.:0
L:51161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1418 after pos.:48
L:51173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1418 after pos.:112
L:51176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1418 after pos.:128
L:51207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1419 after pos.:80
L:51424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1422 after pos.:80
L:51463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1423 after pos.:80
L:51472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1423 after pos.:128
```

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```
L:51752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1425 after pos.:80
L:51755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1425 after pos.:96
L:51855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1429 after pos.:32
L:51937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1432 after pos.:0
L:51940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1432 after pos.:16
L:51943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1432 after pos.:32
L:51946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1432 after pos.:48
L:51949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1432 after pos.:64
L:52151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1439 after pos.:48
L:52197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1440 after pos.:128
L:52213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1441 after pos.:0
L:52262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1442 after pos.:96
L:52296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1443 after pos.:96
L:52396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1447 after pos.:48
L:52479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1450 after pos.:32
L:52526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1451 after pos.:16
L:52544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1451 after pos.:112
L:52695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1455 after pos.:0
L:52743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1457 after pos.:0
L:53134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1467 after pos.:272
L:53296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1469 after pos.:224
L:53356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1471 after pos.:0
L:53641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1476 after pos.:0
L:53770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1478 after pos.:64
L:53821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1479 after pos.:144
L:53848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1480 after pos.:32
L:53851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1480 after pos.:48
L:53912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1481 after pos.:208
L:54074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1483 after pos.:192
L:54107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1484 after pos.:32
L:54110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1484 after pos.:48
L:54168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1485 after pos.:192
L:54239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1487 after pos.:16
L:54245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1487 after pos.:48
L:54248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1487 after pos.:64
L:54603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1497 after pos.:32
L:54661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1498 after pos.:64
L:54685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1498 after pos.:192
L:54688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1498 after pos.:208
L:54691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1498 after pos.:224
L:54721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1498 after pos.:384
L:54766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1499 after pos.:48
L:54769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1499 after pos.:64
L:54772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1499 after pos.:80
L:54775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1499 after pos.:96
L:54778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1499 after pos.:112
L:54845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1500 after pos.:96
L:54848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1500 after pos.:112
L:54919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1502 after pos.:0
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L:54925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1502 after pos.:32
L:55061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1504 after pos.:48
L:55067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1504 after pos.:80
L:55176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1508 after pos.:16
L:55474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1518 after pos.:64
L:55504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1519 after pos.:32
L:55507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1519 after pos.:48
L:55531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1520 after pos.:16
L:55540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1520 after pos.:64
L:55565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1521 after pos.:32
L:55628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1522 after pos.:48
L:55634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1522 after pos.:80
L:55640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1522 after pos.:112
L:55643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1522 after pos.:128
L:55671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1523 after pos.:48
L:55725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1525 after pos.:16
L:55758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1526 after pos.:0
L:55925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1529 after pos.:208
L:55997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1531 after pos.:32
L:56271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1538 after pos.:80
L:56274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1538 after pos.:96
L:56411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1542 after pos.:0
L:56417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1542 after pos.:32
L:56429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1542 after pos.:96
L:56432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1542 after pos.:112
L:56497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1543 after pos.:176
L:56533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1544 after pos.:0
L:56536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1544 after pos.:16
L:56539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1544 after pos.:32
L:56639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1545 after pos.:160
L:56642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1545 after pos.:176
L:56663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1545 after pos.:288
L:56821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1548 after pos.:16
L:56857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1548 after pos.:208
L:56863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1548 after pos.:240
L:56949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1549 after pos.:320
L:56961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1549 after pos.:384
L:57081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1553 after pos.:0
L:57130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1554 after pos.:128
L:57282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1559 after pos.:48
L:57288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1559 after pos.:80
L:57291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1559 after pos.:96
L:57324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1560 after pos.:64
L:57327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1560 after pos.:80
L:57453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1563 after pos.:128
L:57456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1563 after pos.:144
L:57459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1563 after pos.:160
L:57465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1563 after pos.:192
L:57501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1564 after pos.:0
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L:57510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1564 after pos.:48
L:57513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1564 after pos.:64
L:57618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1565 after pos.:416
L:57624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1565 after pos.:448
L:57666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1566 after pos.:112
L:57812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1569 after pos.:32
L:58130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1573 after pos.:48
L:58136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1573 after pos.:80
L:58167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1574 after pos.:48
L:58361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1579 after pos.:128
L:58367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1579 after pos.:160
L:58370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1579 after pos.:176
L:58416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1580 after pos.:160
L:58689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1588 after pos.:112
L:58754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1590 after pos.:16
L:58769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1590 after pos.:96
L:58869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1591 after pos.:176
L:58896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1591 after pos.:320
L:58899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1591 after pos.:336
L:58986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1593 after pos.:176
L:59364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1598 after pos.:32
L:59389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1599 after pos.:0
L:59528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1601 after pos.:160
L:59531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1601 after pos.:176
L:59534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1601 after pos.:192
L:59537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1601 after pos.:208
L:59606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1603 after pos.:48
L:59665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1605 after pos.:64
L:59783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1608 after pos.:192
L:59786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1608 after pos.:208
L:59896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1610 after pos.:80
L:59899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1610 after pos.:96
L:59902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1610 after pos.:112
L:59924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1611 after pos.:32
L:60076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1615 after pos.:80
L:60082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1615 after pos.:112
L:60088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1615 after pos.:144
L:60118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1616 after pos.:16
L:60187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1617 after pos.:112
L:60193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1617 after pos.:144
L:60618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1622 after pos.:160
L:60621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1622 after pos.:176
L:60624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1622 after pos.:192
L:60748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1626 after pos.:80
L:60769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1627 after pos.:0
L:60775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1627 after pos.:32
L:60855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1629 after pos.:80
L:60870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1629 after pos.:160
L:60994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1631 after pos.:208
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L:61000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1631 after pos.:240
L:61003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1631 after pos.:256
L:61006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1631 after pos.:272
L:61009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1631 after pos.:288
L:61073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1632 after pos.:96
L:61076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1632 after pos.:112
L:61079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1632 after pos.:128
L:61085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1632 after pos.:160
L:61354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1641 after pos.:48
L:61463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1645 after pos.:112
L:61514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1647 after pos.:16
L:61618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1648 after pos.:64
L:61624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1648 after pos.:96
L:61633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1648 after pos.:144
L:61732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1650 after pos.:192
L:61757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1651 after pos.:48
L:61921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1654 after pos.:16
L:62077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1658 after pos.:0
L:62086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1658 after pos.:48
L:62089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1658 after pos.:64
L:62149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1660 after pos.:16
L:62209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1661 after pos.:160
L:62290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1663 after pos.:64
L:62321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1664 after pos.:64
L:62407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1667 after pos.:64
L:62410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1667 after pos.:80
L:62413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1667 after pos.:96
L:62670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1673 after pos.:80
L:62676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1673 after pos.:112
L:62679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1673 after pos.:128
L:62722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1674 after pos.:128
L:62898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1677 after pos.:112
L:63035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1679 after pos.:320
L:63370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1684 after pos.:112
L:63379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1684 after pos.:160
L:63649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1688 after pos.:112
L:63652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1688 after pos.:128
L:63705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1689 after pos.:144
L:63708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1689 after pos.:160
L:63889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1692 after pos.:144
L:63898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1692 after pos.:192
L:63916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1692 after pos.:288
L:64005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1694 after pos.:32
L:64011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1694 after pos.:64
L:64240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1700 after pos.:64
L:64249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1700 after pos.:112
L:64288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1701 after pos.:64
L:64297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1701 after pos.:112
L:64358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1702 after pos.:208
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L:64520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1707 after pos.:64
L:64574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1709 after pos.:0
L:64664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1711 after pos.:160
L:64688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1712 after pos.:0
L:64725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1713 after pos.:16
L:64841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1716 after pos.:128
L:64879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1717 after pos.:16
L:64897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1717 after pos.:112
L:65006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1719 after pos.:112
L:65012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1719 after pos.:144
L:65015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1719 after pos.:160
L:65164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1721 after pos.:96
L:65170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1721 after pos.:128
L:65173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1721 after pos.:144
L:65176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1721 after pos.:160
L:65225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1722 after pos.:160
L:65320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1724 after pos.:48
L:65326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1724 after pos.:80
L:65373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1725 after pos.:112
L:65376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1725 after pos.:128
L:65507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1727 after pos.:112
L:65523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1728 after pos.:0
L:65961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1735 after pos.:144
L:65982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1735 after pos.:256
L:66025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1736 after pos.:64
L:66138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1739 after pos.:128
L:66141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1739 after pos.:144
L:66144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1739 after pos.:160
L:66270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1743 after pos.:0
L:66420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1748 after pos.:16
L:66532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1751 after pos.:128
L:66538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1751 after pos.:160
L:66639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1753 after pos.:128
L:66648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1753 after pos.:176
L:67022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1757 after pos.:208
L:67028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1757 after pos.:240
L:67071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1758 after pos.:64
L:67074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1758 after pos.:80
L:67148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1759 after pos.:240
L:67447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1765 after pos.:144
L:67453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1765 after pos.:176
L:67456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1765 after pos.:192
L:67459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1765 after pos.:208
L:67462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1765 after pos.:224
L:67553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1767 after pos.:176
L:67559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1767 after pos.:208
L:67562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1767 after pos.:224
L:67719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1771 after pos.:160
L:67722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1771 after pos.:176
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L:67725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1771 after pos.:192
L:67750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1772 after pos.:48
L:67974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1777 after pos.:64
L:67980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1777 after pos.:96
L:68213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1780 after pos.:144
L:68216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1780 after pos.:160
L:68219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1780 after pos.:176
L:68246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1781 after pos.:16
L:68252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1781 after pos.:48
L:68419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1783 after pos.:144
L:68422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1783 after pos.:160
L:68644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1787 after pos.:16
L:68668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1787 after pos.:144
L:68797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1791 after pos.:64
L:68806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1791 after pos.:112
L:68904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1794 after pos.:64
L:69098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1800 after pos.:128
L:69573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1810 after pos.:48
L:69607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1811 after pos.:64
L:69640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1812 after pos.:48
L:69643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1812 after pos.:64
L:69830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1816 after pos.:0
L:69892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1818 after pos.:80
L:70036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1820 after pos.:80
L:70191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1823 after pos.:64
L:70379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1828 after pos.:112
L:70536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1832 after pos.:112
L:70542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1832 after pos.:144
L:70563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1832 after pos.:256
L:70617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1833 after pos.:96
L:70626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1833 after pos.:144
L:70629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1833 after pos.:160
L:70632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1833 after pos.:176
L:70712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1835 after pos.:144
L:70736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1835 after pos.:272
L:70739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1835 after pos.:288
L:70745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1835 after pos.:320
L:70766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1835 after pos.:432
L:70887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1838 after pos.:16
L:70890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1838 after pos.:32
L:71019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1840 after pos.:80
L:71022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1840 after pos.:96
L:71025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1840 after pos.:112
L:71028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1840 after pos.:128
L:71067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1842 after pos.:16
L:71406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1850 after pos.:128
L:71412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1850 after pos.:160
L:71418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1850 after pos.:192
L:71625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1853 after pos.:80
```

VERIFICATION SUMMARY   DATE: 08/17/2004
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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:71634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1853 after pos.:128
L:71640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1853 after pos.:160
L:71708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1854 after pos.:128
L:71744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1854 after pos.:320
L:71747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1854 after pos.:336
L:72124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1861 after pos.:16
L:72127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1861 after pos.:32
L:72159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1862 after pos.:0
L:72216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1864 after pos.:32
L:72396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1870 after pos.:96
L:72408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1870 after pos.:160
L:72420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1870 after pos.:224
L:72470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1871 after pos.:48
L:72473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1871 after pos.:64
L:72476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1871 after pos.:80
L:72551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1873 after pos.:48
L:72622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1874 after pos.:16
L:72649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1874 after pos.:160
L:72652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1874 after pos.:176
L:72700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1874 after pos.:432
L:72775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1876 after pos.:64
L:72861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1879 after pos.:64
L:73010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1884 after pos.:0
L:73013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1884 after pos.:16
L:73103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:160
L:73109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:192
L:73112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:208
L:73115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:224
L:73363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1891 after pos.:80
L:73435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1893 after pos.:128
L:73481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1894 after pos.:128
L:73597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1898 after pos.:80
L:73600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1898 after pos.:96
L:73603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1898 after pos.:112
L:73702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1902 after pos.:48
L:73705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1902 after pos.:64
L:73815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1905 after pos.:112
L:73873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1906 after pos.:144
L:73981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1910 after pos.:64
L:73996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1910 after pos.:144
L:74122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1912 after pos.:128
L:74309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1916 after pos.:64
L:74393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1917 after pos.:240
L:74396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1917 after pos.:256
L:74402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1917 after pos.:288
L:74560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1923 after pos.:16
L:74631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1925 after pos.:48
L:74640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1925 after pos.:96
L:74793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1930 after pos.:64
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L:74864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1932 after pos.:16
L:74882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1932 after pos.:112
L:75028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1934 after pos.:80
L:75031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1934 after pos.:96
L:75062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1935 after pos.:64
L:75113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1936 after pos.:80
L:75116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1936 after pos.:96
L:75119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1936 after pos.:112
L:75246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1940 after pos.:144
L:75255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1940 after pos.:192
L:75258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1940 after pos.:208
L:75289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1941 after pos.:0
L:75292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1941 after pos.:16
L:75307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1941 after pos.:96
L:75505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1945 after pos.:112
L:75508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1945 after pos.:128
L:75544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1946 after pos.:48
L:75559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1946 after pos.:128
L:75622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1947 after pos.:192
L:75652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1947 after pos.:352
L:75778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1949 after pos.:320
L:75822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1950 after pos.:48
L:75825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1950 after pos.:64
L:75831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1950 after pos.:96
L:76114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1960 after pos.:0
L:76262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1964 after pos.:96
L:76337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1966 after pos.:32
L:76391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1968 after pos.:16
L:76438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1969 after pos.:16
L:76447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1969 after pos.:64
L:76465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1969 after pos.:160
L:76524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1971 after pos.:0
L:76533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1971 after pos.:48
L:76701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1975 after pos.:96
L:76704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1975 after pos.:112
L:76755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1976 after pos.:144
L:76856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1977 after pos.:80
L:76862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1977 after pos.:112
L:77013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1981 after pos.:32
L:77076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1983 after pos.:32
L:77117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1984 after pos.:16
L:77120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1984 after pos.:32
L:77132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1984 after pos.:96
L:77154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1985 after pos.:32
L:77282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1988 after pos.:160
L:77285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1988 after pos.:176
L:77288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1988 after pos.:192
L:77363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1990 after pos.:160
L:77454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1991 after pos.:160
```

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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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L:77460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1991 after pos.:192
L:77463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1991 after pos.:208
L:77522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1992 after pos.:160
L:77525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1992 after pos.:176
L:77528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1992 after pos.:192
L:77643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1994 after pos.:224
L:77820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1998 after pos.:64
L:77823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1998 after pos.:80
L:77885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2000 after pos.:64
L:77891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2000 after pos.:96
L:77916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2001 after pos.:48
L:77979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2003 after pos.:112
L:78122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2007 after pos.:16
L:78125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2007 after pos.:32
L:78269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010 after pos.:160
L:78305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010 after pos.:352
L:78311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010 after pos.:384
L:79176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2026 after pos.:16
L:79306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2030 after pos.:80
L:79363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2031 after pos.:112
L:79388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2032 after pos.:32
L:79434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2033 after pos.:32
L:79474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2034 after pos.:32
L:79520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2035 after pos.:32
L:79694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2037 after pos.:224
L:81399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2071 after pos.:128
L:81825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2082 after pos.:16
L:82282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2090 after pos.:96
L:82285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2090 after pos.:112
L:82316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2091 after pos.:80
L:82381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2093 after pos.:96
L:82497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2096 after pos.:0
L:82753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2103 after pos.:128
L:82907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2106 after pos.:320
L:82910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2106 after pos.:336
L:83153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:32
L:83159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:64
L:83162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:80
L:83165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:96
L:83168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:112
L:83177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:160
L:83180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:176
L:83186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:208
L:83189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:224
L:83204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:304
L:83207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:320
L:83219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2108 after pos.:384
L:83738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2122 after pos.:272
L:84114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2134 after pos.:0
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Input Set : **N:\LMOORE\PTO.LM 09833245A.txt**
Output Set: **N:\CRF4\08172004\I833245A.raw**

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84120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2134 after pos.:32
84144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2135 after pos.:0
84150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2135 after pos.:32
84466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2146 after pos.:48
84475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2146 after pos.:96
84478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2146 after pos.:112
84658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2151 after pos.:112
85313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2164 after pos.:96
85920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2174 after pos.:496
86119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2178 after pos.:96
86187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2179 after pos.:192
86208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2179 after pos.:304
86253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2179 after pos.:544
86364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2181 after pos.:32
86735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:16
86762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:160
86768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:192
86777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:240
86786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:288
86822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:480
86825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2187 after pos.:496
86989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2189 after pos.:480
86992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2189 after pos.:496
87160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2193 after pos.:80
87163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2193 after pos.:96
87681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2200 after pos.:352
87769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2201 after pos.:112
88061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2207 after pos.:32
88064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2207 after pos.:48
88135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2208 after pos.:64
88141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2208 after pos.:96
88249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2210 after pos.:112
88391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2213 after pos.:16
88406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2213 after pos.:96
88477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2215 after pos.:0
88644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2217 after pos.:48
88647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2217 after pos.:64
88733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2219 after pos.:96
88797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2220 after pos.:240
89372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2225 after pos.:80
89384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2225 after pos.:144
89436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2226 after pos.:80
89442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2226 after pos.:112
89445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2226 after pos.:128
89448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2226 after pos.:144
91683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2269 after pos.:0
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